

## Inventory of Technical literature

### Philips Norelco Reporter

1953	v. I	No. 2
1954	v. I	Nos 4-7
1955	v. II	Nos 1-4
1956	v. III	Nos 1-5
1957	v. III	No 1
	v. IV	Nos 2,5,6, ICC1, ICC2
1958	v. V	Nos 1-6
	v. VI	Nos 1-5
1960	v. VII	Nos 1,2,5,6
1961	v. VII	Nos 1-4, 6
1962	v. IX	No 1
1963	v. X	Nos 1,2,4
1964	v. XI	Nos 1-4
1965		Nos 1-4
1966		Nos 1-4
1967		Nos 1-4
1968	v. 16	No 1
1970	v. 17	Nos 1,2
1971	v. 18	No 2
1972-3	v. 19	Nos 1-3
1974	v. 21	No 1
1975	v. 22	No 1
1976	v. 23	Nos 1,2
1977	v. 24	No 1
1978	v. 25	Nos 1,2
1979	v. 26	Nos 1-3
1980	v. 27	Nos 1, 1EM, 2, 3
1981	v. 28	Nos 1,2
1982	v. 29	Nos 1, 1EM, 2,3
1983	v. 30	Nos 1, 1EM, 2, 2EM, 3
1984	v. 31	Nos 1EM, 1XR, 2EM, 2XR, 3EM
1985	v. 32	Nos 1EM, 2EM, 1XR
1986	v. 33	Nos 1, 1EM

### RCA Scientific News

1956	v. 1	Nos 1-4
1957	v. 2	Nos 1,2
1958	v. 3	Noa 1-3
1959	v. 4	Nos 1,2
1960	v. 5	Nos 1-3
1961	v. 6	Nos 1,2
1962	v. 7	No 2
1963	v. 8	No 1
1964	v. 9	Nos 1,2
1965	v. 10	Nos 1,2
1966	v. 11	No 1
1967	v. 12	Nos 1-3
1968	v. 13	Nos 1-4; Diffraction of crystals (reprint from vol 11)
1969	v. 14	No 1
1970	ForgFlo Technique v. 1, No. 1	

### Philips Electron Optics Reporter

1987	v. 34	No 1
1987	No 124	
1988	No 125	
1989	No 126	
1990	No 129	
1996	No 134	

### Other

1969	Philips Bulletin technical papers EM300 Goniometer Dark-field EM Photographic emulsions	
1975	Philips Bulletin technical paper Lattice determination	
1976	Philips Bulletin EM104, EM105	
1977	Philips Bulletin EM108, EM109, EM110, EM112	
1993	SCOPE September	
1994	FEI Focus	
1995	SCOPE Nos 3,4	
1996	FEI Focus	
1997	PEO info	
1997	SCOPE 7	
1998	50 Years of Philips booklet	
1998	SCOPE 8,9	
2001	SCOPE 13	

### Hitachi Instrument News

1979	No 1	
1980	No 7	
1986	Nos 10, 19	
1987	Ed. 11	
1988	Eds. 12, 13, 14	
1989	Eds. 15, 16, 17, 18	
1990	Eds. 18, 19	
1991	Eds. 20, 21	
1992	Eds. 23, 24	
1993	Ed. 25	
1994	Ed. 26	
1995	Eds. 27, 28	
1997	Ed. 32	
1998	Ed. 33	

### JEOL News

1968	v. 6b	No
1969	v. 7b	Nos 1, 2, 4
1970	v. 8	No 3
1971	v. 9e	Nos 2,3
1972	v. 10e	No 2
1973	v. 11e	No 2
1974	v. 12e	Nos 1,2
1975	v. 13e	No 1
1976	v. 13e	Nos 1,2
1976	v. 14e	No 2
1977	v. 15e	Nos 1-4
1978	v. 16e	Nos 1-3
1979	v. 17e	No 1
1981	v. 20e	No 2
1982	v. 20E	Nos 1-3
1984	v. 21A	No 2
1986	v. 24A	No 1
1987	v. 25E	No 2
1988	v. 26E	Nos 1, 2
1990	v. 28E	No 1
1991	v. 29E	Nos 1,2
1992	v. 30E	No 2
1994	v. 31E	No 1
1996	v. 32E	No 1
2000	v. 35E	No 1
2001	v. 36E	No 1
2002	v. 37E	No 1
2003	v. 38	No 1
2011	v. 39	No 1
2012	v. 47	No 1
2013	v. 48	No 1 ("50 years")

### Jena Review

1980/1	Nos 1, 4, 5, 6
1980	KS Observatory
1981	Nos 1, 3, 4
1983	Nos 1, 2, 4
1990	No 4

### Zeiss Innovation with Jena Review

1992	No 1
1992/3	No 2
1993	No 3

### Zeiss Innovation

Numbers 1-9, 11

### **Philips EM420 literature**

General Accessory file  
Pumping system/column service manual  
Electronics service manual  
Low-dose unit manual  
Cooling holder manual  
Wehnelt assembly manual  
Lab logbook at albany  
Lab copy of operating manual  
Service notes (s/n D668)

### **Philips EM 300/302 literature**

EM 300 operator manual  
EM 301 operator manual  
EM 300 lab operating manual  
EM 300 service report (s/n D757)  
Anticontamination device manual  
Diffraction attachment manual  
Heating holder manual  
Rotation holder manual  
Goniometer drawing  
TV chain for 200/301/200/201 manual  
EM 301 Electronics service manual  
EM 300 Pumping system service manual  
PEI STEM Unit literature  
Lab notes in STEM unit at Buffalo and Albany  
"SEM" attachment specifications  
Modifications to high-voltage supply  
Stage movement data  
J. M. Turner's hydration stage construction  
J. M. Turner's Faraday cup construction

**JEOL JEM-200 / JSEM-200 literature**

IBM operation manual copy

Service reports when used at GE

JSEM-200 circuit diagrams

JSEM-200 system diagrams

JEM-200 Performance test (s/n 13009-18)

**JEM-4000 literature**

Main unit circuit diagrams

ASID circuit diagrams (214001)

ASID circuit diagrams (214002)

EELS-40 attachment

UMD lab operating manual

## **Miscellaneous**

Philips EM 201 electronics service manual  
Philips EM 201 pumping/column service manual  
EDAX EDS brochures  
Link EDS brochures  
Kevex EDS brochures  
Tracor EDS brochures  
Noran EDS brochures

AMR1800 SEM drawings

## **Operation manuals**

Tektronix hardcopy unit  
Edwards ED150 vacuum pump  
AMR1000 SEM  
Servall MT-1 microtome  
Sorvall MT-2 microtome  
Sorvall glass knife pliers  
LKB I (4800) microtome  
LKB III (8800) microtome  
LKB Ultratome parts  
LKB Huxley microtome  
LKB 7800A Knife maker  
LKB 7800A (parts list)  
LKB Pyramitome  
LKB Target marker for Pyramitome  
LKB accessories (list)  
Reichert OmU2 microtome  
Leica Ultracut E  
Leica UCT cryo attachment for Ultracut E  
Hitachi HU11-A TEM  
Hitachi HU11-B TEM  
Hitachi H7000 TEM  
Hitachi S-570 SEM  
Hitachi S-570 Service manual  
Hitachi S-570 drawings  
Philips EM-300 TEM  
Philips EM-301 TEM  
Philips EM-420 TEM  
RCA EMU-3 TEM (brochure only)  
RCS EMU-4 TEM (full operation and service manual)  
Canalco (available accessories for RCA TEMs)  
Leo/Zeiss 1550VP SEM cold stage  
Leo/Zeiss 1550 SEM software  
Leo/Zeiss 910 TEM  
JEOL JEM-200 TEM  
JEOL JSEM-200 TEM  
JEOL JEM-4000FX TEM  
Siemens Elmiskop I TEM (2 volumes)  
Siemens Elmiskop Ia TEM (2 volumes)  
Siemens Elmiskop 102 TEM  
AEI EM-7 HVEM

## **Other items/manuals**

Eastern Analytical labs SEM audio course  
Manual for Gatan heating holder  
Manual for Gatan MSC camera plug-in for "DM"  
Manual for Gatan diffraction plug-in for "DM"  
Manual for Topcon IP-30 image processor  
Manual for Fluke 2168A digital thermometer  
Spare Siemens Elmiskop diagrams  
Sample issues of J. Microsc. Hist. Soc.  
Sample issues of Delta Microscopy School newsletter

## **Books**

Zeiss company (1934) Zeiss Microscopes (catalog); Mikro1, Carl Zeiss, Jena.  
Cosslett (1951) Practical Electron Microscopy; Butterworth, London.  
Möldner, K. (late 1970s) Zeiss (EM) Preparation Techniques; Zeiss, Oberkochen.  
Hren, J., Goldstein, J., Joy, D. (1979) Introduction to Analytical Electron Microscopy; Plenum, NY.  
2<sup>nd</sup> Int. Cong. Cell Biol. (1980) Three Centuries of Microscopes in Biology; Eur. Cell Biol., Berlin.  
Hawkes, P.W. (ed.) (1985) Advances in Electronics and Electron Physics, Suppl. 16, The Beginnings of Electron Microscopy; Academic Press.  
Hawkes, P.W. (ed.) (1989) Advances in Electronics and Electron Physics vol. 73, Aspects of Charged Particle Optics; Academic Press.  
Hawkes, P.W. (ed.) (1996) Advances in Imaging and Electron Physics vol. 96, The Growth of Electron Microscopy; Academic Press.  
Rasmussen, N. (1997) Picture Control, The Electron Microscope and the Transformation of Biology in America, 1940-1960; Stanford University Press.  
Sherline company (2003) Shop Guide; Sherline  
Sherline company (2003) Accessory Guide; Sherline  
Hawkes, P.W. (ed.) (2008) Advances in Imaging and Electron Physics vol. 153, Aberration-corrected Electron Microscopy. Academic Press.  
Pfeiffer (2008) Pfeiffer Vacuum Technology; Pfeiffer, Austria  
Newberry, S. P. (2015) A Way with Words; One Spirt Press, Portland, OR  
Newberry, S.P. (1990) EMSA and its People; Published by EMSA.  
Zeiss Archives (2016) Carl Zeiss, A Biography 1861-1888; Böhlau Verlag, Köln  
Nagayama, K. (2011) Self-published "Festschrift" on his retirement.  
Wlcher, K. (2006) History of the Electron Microscope, The High Voltage Electron Microscope and Beyond at the Laboratories and Research / Wadsworth Center; Published by Wadsworth.

USB HDD of (E)MSA tutorials: (see [https://www.microscopy.org/about/historic\\_tutorials.cfm](https://www.microscopy.org/about/historic_tutorials.cfm))

DVDs and mpeg4 interviews of prominent microscopists (see <https://www.microscopy.org/about/interviews.cfm>)

## **Siemens EM literature**

Elmiskop I, Ia, II Brochures  
Elmiskop 101,102 Brochures  
Other Brochures (final Siemens TEM and STEM, Elmiskop 50, x-ray crystallography)  
Elmiskop Ia accessories in use at Albany  
Elmiskop I, Ia available accessories  
Elmiskop quotes and purchasing  
Siemens vacuum evaporator brochure  
Water cooling system for Elmiskop  
Installation of Elmiskop Ia at "MSA museum"  
Vacuum system, pumps  
Use of Elmiskop I ("Opa", s/n 216)  
Elmiskop I, Ia use; alignment  
Elmiskop I, Ia exposure meter, shutter  
Transfer of Siemens TEMs to Archivist  
Installation of s/n 216 at Albany  
Elmiskop Ia s/n 1438 at Buffalo (D.F. Parsons)  
EM suite planning  
Anticontaminator device for Elmiskop Ia  
Extra Elmiskop Illustrations  
Elmiskop parts lists  
Extra operating manual 1  
Extra operating manual 2  
Spare parts catalogs/lists 1  
Spare parts catalogs/lists 2

## **JEOL EM literature; HVEM literature**

JEM-6A, 6C, 100B Brochures  
JEM-100C,100CX, 100S, 1011 Brochures  
JEM-1200, 1210 Brochures  
JEM-200, JSEM-200 Brochure  
JEM-200 at Albany  
JEM-200A at IBM  
JEM-200B in use at Albany  
JEM-200B use at Albany and move to Portland State Univ.  
JEM-2000, 2010, 200CX Brochures  
JEOL General accessories  
JEOL SEM Brochures  
Brochures from 2019 visit to JEOL Akishima  
JEM-3000 Brochures  
JEOL HVEM literature  
General HVEM literature  
Albany HVEM lab installation  
Albany HVEM installation pictures



### **Ziess, Hitachi, and Philips TEM literature**

Zeiss SEM Brochures  
Visit to Zeiss TEM at Oberkochen (EM-10)  
Zeiss EM9, 9A Brochures  
Zeiss EM10 Brochures  
Zeiss EM109 Brochures  
Zeiss EM902 Brochures  
Zeiss/Leo 900, 910 TEMs  
Hitachi technical data  
Hitachi TEM Brochures  
Hitachi SEM Brochures  
ISI TEM/LM combination  
Philips EM-200/201 and earlier Brochures  
Philips EM-300/301 Brochures  
Philips EM-300 use  
Philips accessories  
Philips technical  
Philips EM-208 Brochures  
Philips EM-400 series Brochures  
Visit to Philips Eindhoven (EM-400)  
Philips CM10, CM12 Brochures  
Philips CM20 Brochures  
Philips Tecnai TEM brochures  
Philips SEM brochures  
Miscellaneous EM brochures  
RCA EMU-3 TEM literature

### **SEM, Light microscopy literature**

Cambridge/ Stereoscan SEM Brochures  
ISI SEM Brochures  
ETEC SEM Brochures  
AMR SEM brochures  
Electroscan SEM Brochures  
ETEC SEM Brochures  
AMR SEM brochures  
Hitachi SEM brochures  
Miscellaneous SEM brochures  
SEM detector brochures  
VG STEM Brochures  
Balzers instruments literature  
Light microscope theory and accessories  
Confocal LM Brochures  
Nikon LM Brochures  
Zeiss light microscope brochures  
Zeiss light microscope accessories and history  
LOMO Russian microscope history  
SPM and other microscope brochures  
Miscellaneous light microscope brochures

### **Other Microscopy literature**

Manual for Zeiss Jena Interphako microscope

Manual for Leitz polarizing microscope

General light microscope manuals

Manual for light microscope digital camera

Manual for Durst enlarger

Manuals for other darkroom equipment

Manual for Veeco MS-9 leak detector

Manual for Varian 842/843 ion gauge controllers

Manual for Varian 836 ion gauge controller

Manual for Granville-Phillips ionization gauge controller

Manual for Granville-Phillips thickness monitor

Manual for Granville-Phillips model 260 ionization gauge controller for Dv502

Manuals for Leybold turbopumps and controllers

Manual for Denton DV-502 vacuum evaporator

Brochures for other microtomes

Literature about diamond knives

Literature about EM specimen preparation

Literature about photography and photo storage

Gatan literature

EM History (incl. Ruska book trans. By Mulvey)

Literature on TEM specimen holders

Literature on TEM-aids suppliers

HVEM scientific reprints

HVEM scientific applications